

# Commonwealth Institute of Kentucky

Presentation by Liza M. Creel, PhD, MPH

CIK Director



# CIK Overview

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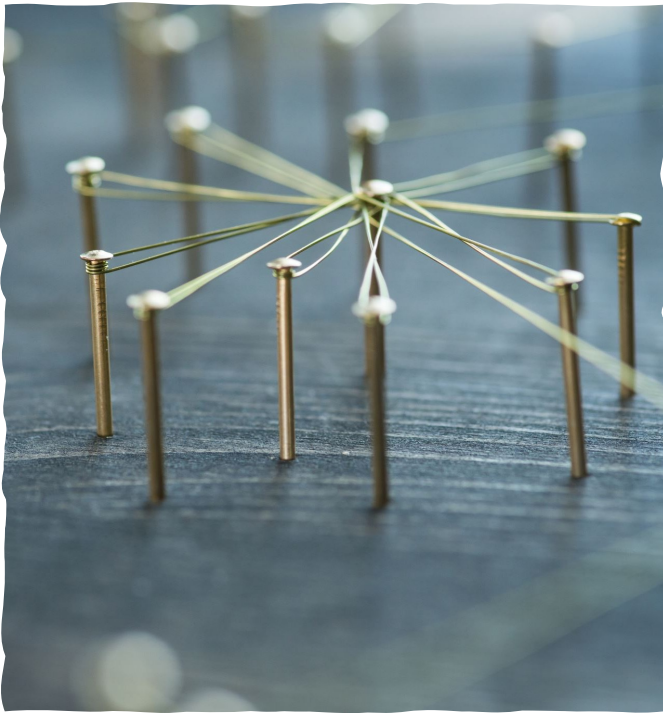
- Understand impacts of delivery system design
  - Healthcare
  - Public health
- Improve population health & outcomes/experience
  - Patients
  - Providers
- Use robust data analytics to inform policy and practice change



Source: <https://digital.ahrq.gov/acts/quadruple-aim>

# CIK Research

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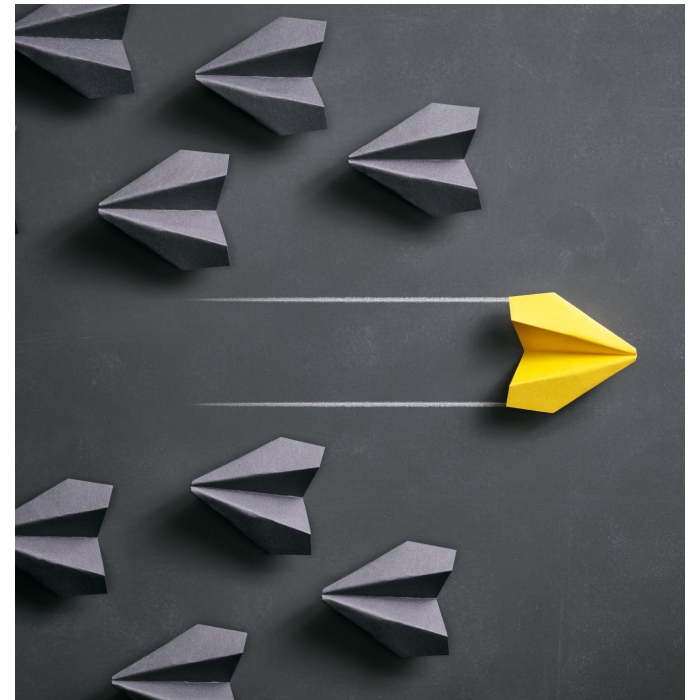


- Grounded in cross-disciplinary collaborations
  - Commonwealth Scholars
  - Governmental, community, & private partnerships
- Applied research to inform:
  - Organizations
  - Systems
  - Governments
- Medicaid design, implementation, and outcomes for:
  - One quarter of all Kentucky adults
  - Almost one half of all Kentucky children
  - All Kentucky taxpayers

# CIK Kentucky Medicaid Research

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- Kentucky is a leader in State University Partnership model
  - Focuses on Medicaid priorities in & for the state
  - Facilitates evidence-based decision-making using robust existing data
  - Partners with the Kentucky Office of Health Data and Analytics
- CIK State University Partnership Projects examine:
  - Utilization & outcomes
  - Opportunities for improvements within Medicaid
  - Potential cost savings for Medicaid



## Research Highlight:

### Type 2 Diabetes, ESRD, & Oral Disease

Follows Type 2 diabetes patients and those with or at risk of End Stage Renal Disease

IMPACT: Data analytics to improve long-term health outcomes for individuals and save the Medicaid program money.

Facilitated by data access and strong partnerships

Led by: Bert Little, PhD and Giang Vu, PhD  
UofL School of Public Health and Information Sciences

## Research Highlight:

# Chronic Disease & Medicaid Market Structure

Follows adult Medicaid enrollees with cardiovascular disease, cancer, or Type 2 diabetes

**IMPACT:** 1. Inform delivery of care for beneficiaries who live with chronic illnesses. 2. Provide evidence of how market structure impacts outcomes for those individuals.

Facilitated by data access and strong partnerships

Led by: Seyed Karimi, PhD  
UofL School of Public Health and Information Sciences

## Research Highlight:

## Value Based Purchasing

Evaluation of readiness of health systems in Kentucky to implement core quality measures as outlined by the Performance Measures Alignment Committee

**IMPACT:** Identified key challenges that hospitals could face related to risk expectations, complicated payment mechanisms, and limited data system interoperability

Policy recommendations include emphasis on collaborative decision-making, stepwise implementation, and clear implementation guidelines

Led by: J'Aime Jennings, PhD and Chris Johnson, PhD  
UofL School of Public Health and Information Sciences

## Research Highlight:

## Alcohol Use Disorder

Examines trends, geographic variations, risk factors, treatment patterns and utilization, cost of alcohol use disorders (AUD)

**IMPACT:** Identify strategies for improving outcomes and evidence of efficient resource allocation to address AUD and related comorbidities

Facilitated by data access and strong partnerships

Led by: Maiying Kong, PhD and KB Kulasekera, PhD  
UofL School of Public Health and Information Sciences



# CIK and Medicaid Policy: Thinking Forward

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- Inform policy decision-making
  - Identify and understand high-need and high-cost populations
  - Examine effects of Medicaid policy changes initiated by Kentucky General Assembly or the Cabinet for Health and Family Services
  - Conduct policy analyses on specific public health problems impacting Medicaid beneficiaries or providers
- Engage research infrastructure within the Commonwealth to respond to legislative or agency inquiries about Medicaid practices
- Establish Kentucky as a leader in governmental-academic partnerships to inform Medicaid policy and program changes



# Questions?

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Liza M. Creel, PhD, MPH  
Director, Commonwealth Institute of Kentucky  
Associate Professor, Health Management and Systems  
Sciences  
School of Public Health and Information Sciences  
University of Louisville  
[liza.creel@louisville.edu](mailto:liza.creel@louisville.edu)  
502-852-3283